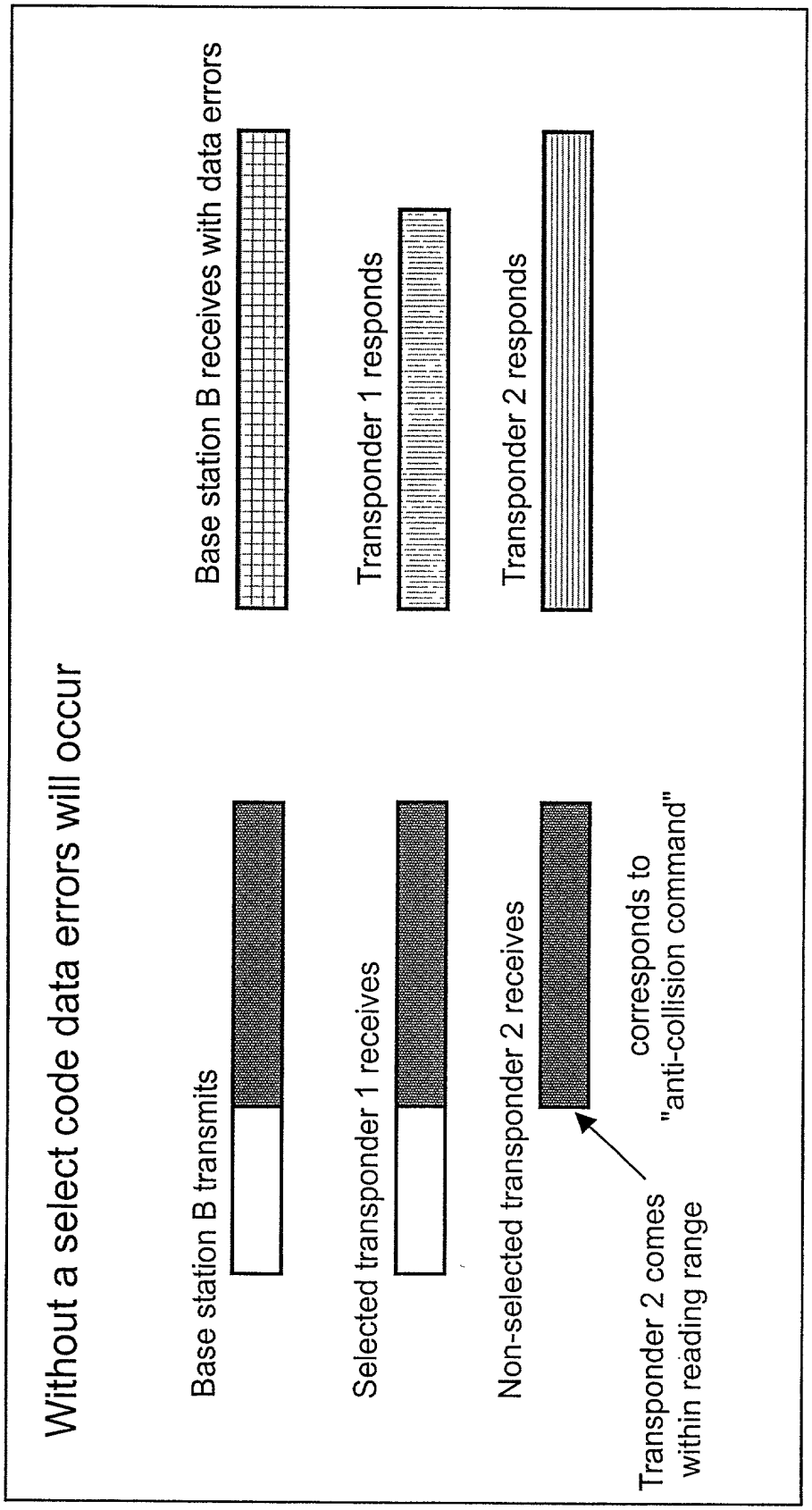
Without a select code data errors will occur
Base station B transmits
Selected transponder 1 receives
Non-selected transponder 2 receives
Transponder 2 comes within reading range
corresponds to "anti-collision command"
Base station B receives with data errors
Transponder 1 responds
Transponder 2 responds

Fig. 1

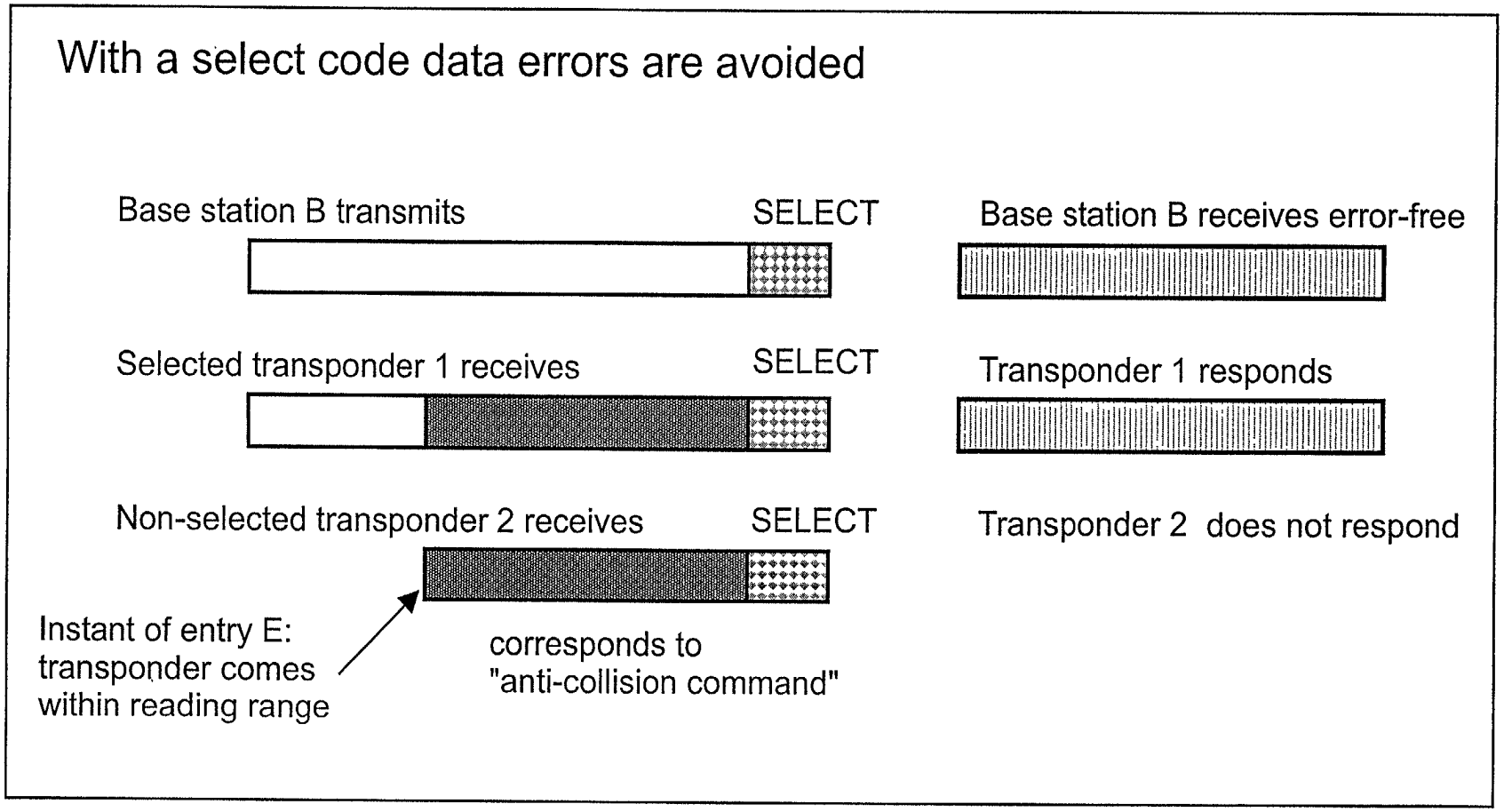
With a select code data errors are avoided
Base station B transmits
SELECT
Base station B receives error-free
Selected transponder 1 receives
SELECT
Transponder 1 responds
Non-selected transponder 2 receives
SELECT
Transponder 2 does not respond
Instant of entry E:
transponder comes
within reading range
corresponds to
"anti-collision command"

Fig. 2